REMARKS

The requested changes merely remove multiple dependencies.

Respectfully submitted,
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VERSIONS WITH MARKING TO SHOW CHANGES MADE

In the Claims

4. (Amended) A process according to ~~any preceding~~ claim 1 wherein the illuminating radiation exits illuminating radiation apparatus externally of the body of which the tissue structure forms a part.

5. (Amended) A process according to ~~any of~~ claims 1 ~~to 3~~, wherein the illuminating radiation exits illuminating radiation apparatus internally of the body or organism of which the tissue structure forms a part.

7. (Amended) A process according to ~~any preceding~~ claim 1, wherein the absorption of the radiation by the target structure at the predetermined low level controlled dose stimulates collagen regrowth.

8. (Amended) A process according to ~~any preceding~~ claim 1, wherein the illuminating radiation dose is controlled to ensure that overdosing of the target tissue structure does not take place.

9. (Amended) A process according to ~~any preceding~~ claim 1, wherein the wavelength of the illuminating radiation is selected such that there is at least some absorption by the target structure or tissue.

10. (Amended) A process according to ~~any preceding~~ claim 1, wherein the radiation delivered is light, substantially in the wavelength bandwidth 400-1500nm.

11. (Amended) A process according to ~~any preceding~~ claim 1, wherein the radiation delivered is light, substantially in the wavelength bandwidth 500-1000nm.

12. (Amended) A process according to ~~any preceding~~ claim 1, wherein the illuminating radiation is of a discrete wavelength or relatively narrow wavelength bandwidth.

13. (Amended) A process according to ~~any preceding~~ claim 1, wherein the illuminating radiation is of a relatively broad band light source filtered to a discrete or relatively narrow wavelength bandwidth.

14. (Amended) A process according to ~~any preceding~~ claim 1, wherein the illuminating radiation is laser radiation.

15. (Amended) A process according to ~~any preceding~~ claim 1, wherein the illuminating radiation is obtained from an LED.

16. (Amended) A process according to ~~any preceding~~ claim 1, wherein the illuminating radiation is obtained from a broad band white light source.

17. (Amended) A process according to ~~any preceding~~ claim 1, wherein a body tissue structure is illuminated by means of direct external illumination of the structure.

18. (Amended) A process according to ~~any of~~ claims ~~1 to 11~~, wherein the illuminating radiation is directed into the body to be delivered to the site of an internal target tissue structure.

19. (Amended) A process according to ~~any preceding~~ claim 1, wherein the energy density of the illuminating radiation delivered to the target structure is substantially in the range 2 to 20Jcm-2.

20. (Amended) A process according to ~~any preceding~~ claim 1 for inducing a controlled inflammatory response in one or more of the following collagen containing structures:

bone
dentin
cartilage
uterus
large veins and arteries.

23. (Amended) Apparatus according to claim 21 ~~or claim 22~~, wherein the means for directing the radiation to the target site is configured to permit manual manipulation enabling the zone of radiation impingement with the target site to be manually altered.

24. (Amended) Apparatus according to ~~any of~~ claims 21 ~~to 23~~, wherein the apparatus is provided with an automated drive arrangement.

25. (Amended) Apparatus according to ~~any of~~ claims 21 ~~to 23~~, including pulsation means for pulsing the illuminating radiation, preferably having a pulse duration substantially in the range 1 microsecond- 100ms.

26. (Amended) Apparatus according to ~~any of~~ claims 21 ~~to 25~~, including scanning means for scanning the illuminating radiation over the target tissue structure.